



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/750,429      | 12/31/2003  | Charles M. Hart      | GLOBAL-E            | 1786             |
| 7590            | 03/25/2005  |                      | EXAMINER            |                  |
|                 |             |                      | HALPERN, MARK       |                  |
|                 |             |                      | ART UNIT            | PAPER NUMBER     |
|                 |             |                      | 1731                |                  |

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/750,429

Applicant(s)

HART, CHARLES M.

Examiner

Mark Halpern

Art Unit

1731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) 13-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 8-12 and 18-29 is/are rejected.
- 7) ☒ Claim(s) 4-7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3/5/04
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_

## **DETAILED ACTION**

### ***Election/Restrictions***

1) Applicant's election with traverse of invention I, drawn on claims 1-12 and 18-29, in the reply filed on 2/11/2005, is acknowledged. The traversal is on the ground(s) that examining all of the claims would not constitute a serious burden. This is not found persuasive; the applicant failed to provide an appropriate showing or evidence to rebut the showing of serious burden set forth in the restriction requirement as is required by MPEP 803 – merely arguing that the search of the entire application could be made without serious burden does not meet the requirements of MPEP 803.

The requirement is still deemed proper and is therefore made FINAL.

Claims 13-17, are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.

### ***Specification***

2) Cross-Reference to related application is not recited on page 1 of the Specification.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Art Unit: 1731

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3) Claims 1-3, 8, 10-11, are rejected under 35 U.S.C. 102(b) as being anticipated by Krasselt (DE 195 04 044, translated copy). Krasselt discloses a conveying roll for transport of highly heated objects, for example, glass panes. The roll includes an outer jacket surface 1. The roll includes a hollow shaft 2 that has an outwardly portion from the roll, and numerous cylindrical and perforated discs 3, 4, arranged on the roll. A cylindrical end plate 5 lies on the two outer disks, which are tensioned against each other by means of strong springs 6. The hollow shaft 2 serves to cool the conveyor roll with water from a source of water 7. Discs 3, 4, consist of ceramic fiber (pgs. 5-6).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4) Claims 9, 12, 18-22, 26-29, are rejected under 35 U.S.C. 103(a) as being unpatentable over Krasselt in view of Hordis (3,802,495).

Claim 9: Krasselt is applied as above for claim 1, Krasselt fails to disclose that the shaft has internal threading within the shaft. Hordis discloses a rotating conveyor type roll that has internal threading within an elongated shaft as shown in Figures 3-4 (col. 2, line 63 to col. 3, line 9). It would have been obvious, to one skilled in the art at

the time the invention was made, to combine the teachings of Krasselt and Hordis, because such a combination would elongate the length of the shaft of Krasselt.

Claims 12, 18-22, 26-29: Krasselt discloses a conveying roll for transport of highly heated objects, for example, glass panes. The roll includes an outer jacket surface 1. The roll includes a hollow shaft 2 that has an outwardly portion from the roll, and numerous cylindrical and perforated discs 3, 4, arranged on the roll. A cylindrical end plate 5 lies on the two outer disks, which are tensioned against each other by means of strong springs 6. The hollow shaft 2 serves to cool the conveyor roll with water from a source of water 7. Discs 3, 4, consist of ceramic fiber (Krasselt, pgs. 5-6). Hordis discloses a rotating conveyor type roll that has internal threading within an elongated shaft as shown in Figures 3-4. The above reads on an assembly.

5) Claims 23-25, are rejected under 35 U.S.C. 103(a) as being unpatentable over Krasselt in view of Hordis, and further in view of Diederer (4,459,148).

Claims 23-24: Krasselt in view of Hordis is applied as above for claim 22, Krasselt in view of Hordis fails to disclose compression element is a pin pressing against an end plate. Diederer discloses a roll for carrying glass sheets that includes a pin attachment at the compression element pressing at the end plate (col. 3, lines 59-68). It would have been obvious, to one skilled in the art at the time the invention was made, to combine the teachings of Krasselt and Hordis with Diederer, because such a combination would provide for an improved means of engaging the shaft in the design of Krasselt.

Claim 25: see the design of roll assembly of Hordis or Diederer.

***Allowable Subject Matter***

6) Claims 4-7, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The primary reason for indicating allowable subject matter is that the cited prior art does not disclose: a roll having a fiber-containing roll cover equipped with a compression element that has an indentation in a face opposite the face pressed against an end plate (claim 4).

***Conclusion***

6) Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Halpern whose telephone number is 571-272-1190. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 1731

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Mark Halpern